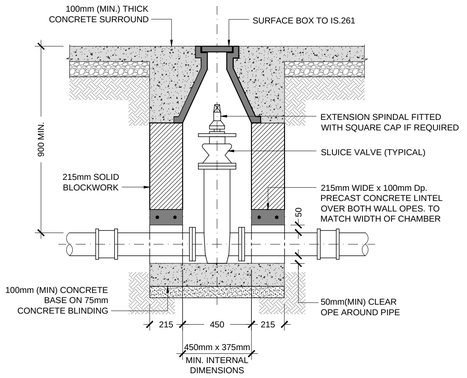
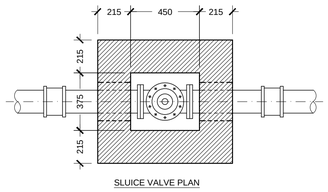
REVISION SCHEDULE

REV. NO.	REV. DESCRIPTION	REV. DATE	DRAWN	CHECKED
P1	PLANNING ISSUE	08/09/2020	AG	JP

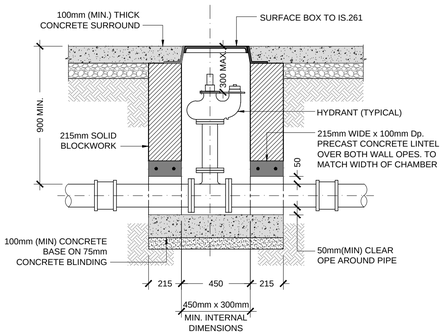


SLUICE VALVE SECTION

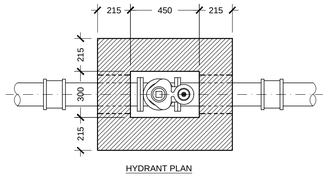


SLUICE VALVE PLAN

SLUICE VALVE CHAMBER DETAILS
SCALE 1:20

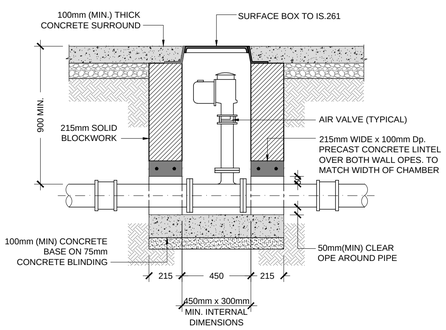


HYDRANT SECTION

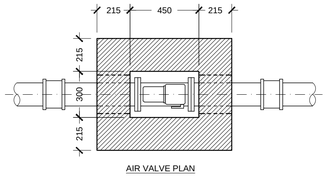


HYDRANT PLAN

HYDRANT CHAMBER DETAILS
SCALE 1:20

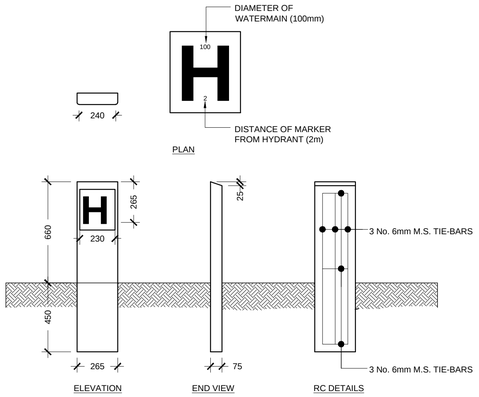


AIR VALVE SECTION

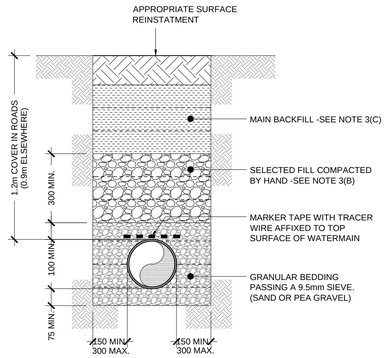


AIR VALVE PLAN

AIR VALVE CHAMBER DETAILS
SCALE 1:20

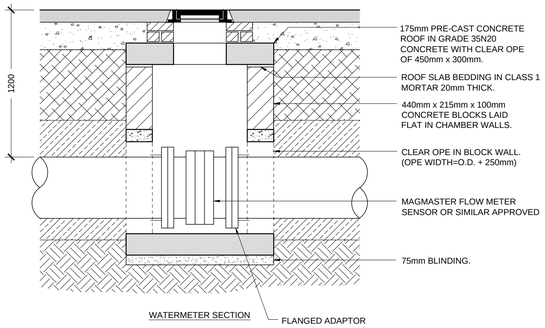


HYDRANT INDICATOR PLATES
SCALE 1:20

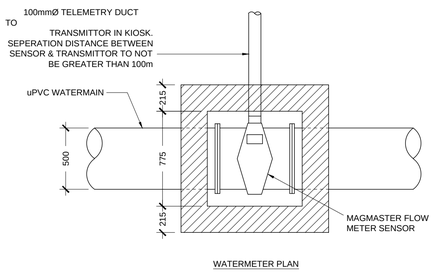


WATERMAIN TRENCH DETAIL
SCALE 1:20

NOTE: FOR WATERMAINS UNDER ROADS & IN CAR PARKS USE CL 804 COMPACTED BACKFILL ONLY

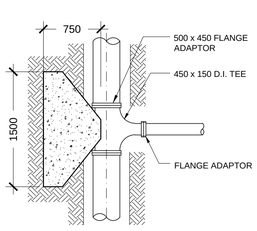


WATERMETER SECTION

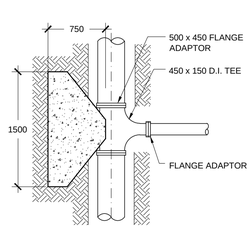


WATERMETER PLAN

BULK WATERMETER
SCALE 1:25



PLAN (TEE)



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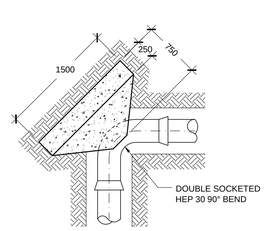
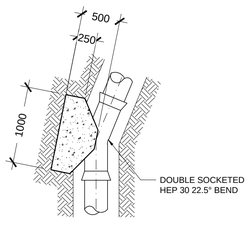
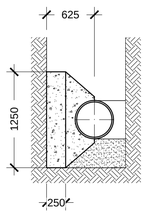


PLAN (90° BEND)



PLAN (22.5° BEND)



TYPICAL SECTION

THRUST BLOCK DETAILS
SCALE 1:40

THRUST BLOCK DETAILS

NOTE:

1. CONCRETE ANCHOR BLOCKS SHALL BE PROVIDED ON WATERMAINS AT DEAD ENDS, TEES, BENDS OF GREATER CURVATURE THAN 22½° AND AT BOTH SIDES OF SLUICE VALVE CHAMBERS AND HYDRANTS. ANCHOR BLOCKS SHALL ENCASE THE PIPE IN CONCRETE TO A MINIMUM THICKNESS OF 150mm ALL ROUND AND SHALL BE A MINIMUM LENGTH OF 600mm.
2. THRUST BLOCK CONCRETE SHALL BE PLACED BEHIND THE SOCKET OF THE FITTING AND NOT ALLOWED AGAINST THE PIPE OR JOINT. PROVIDE 1200g VISQUEEN WRAP AROUND PIPE & JOINT IF NECESSARY TO SEPERATE THEM FROM THE THRUST BLOCK.
3. CONCRETE COMPRESSIVE STRENGTH SHALL BE 20N AT 28 DAYS
4. BLOCKS TO BE CAST AGAINST UNDISTURBED EARTH

PIPE DIAMATER (mm)	ANCHOR BLOCK DIMENDIONS IN METRES FOR GROUND BEARING PRESSURE 100kN/m²					
	A	B	C	D	E	F
150	1.2	0.6	0.9	0.6	0.5	1.0
200	1.6	0.6	1.2	1.2	0.6	1.4

Drawing Stage:	PLANNING
Project Details:	
Site Address:	Europa, Netown Avenue, Blackrock
Client:	Seabren Developments Limited
Architect:	Metropolitan Workshop
M&E Designer:	-
Contractor:	-

Notes

Drawn by: BD	Checked by: AG	Approved by: JP	Date: 06/12/2019
Project Name: Europa, Blackrock		Scale: AS SHOWN @ A1	Project Number: 1953
Drawing Title: TYPICAL DETAILS SHEET 4		Project: -	Originator: CORA / Zone: -

Level:	Type:	Discipline:	Drawing No:	Stage:	Revision:
-	DR	C	013	P	01

CORA CONSULTING ENGINEERS
Behan House,
10 Lower Mount Street,
Dublin 2. D02 HT71
Tel: +353 1 661 1100
e-mail: info@cora.ie
Web: www.cora.ie